



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

C2-4-4A**Job Sheet 195786-A****Part No:** C2-4-4A**Job Qty:** 1 pcs**Part Name:** Load Beam Assembly - C2 Hook**Part Weight:** 0 lbs**Status:** Scheduled**Priority:** Medium**Job Created:** 8/8/19**Job Tracking No:****Due Date:** 7/1/19**Created By:** Kimberley Guerin**Type:** Stock**Description:****Note:** DWG C2-4-4A / C2-4-4KA Rev. 7 IPP Rev. A 18.09.19 New issue DP Verify DD**Ship Via:****Bill of Materials****Job Routing**

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
140	Packaging 2-1 - Receive - B4B	1 pcs	7/1/19		0.00	0.00	Packaging 2 - 1 - B4B		
							Packaging 2 - 2 - B4B		
							Packaging 2 - 3 - B4B		
							Packaging 2 - 5 - B4B		
							Packaging 2 - 4 - B4B		
							Packaging 2 - 6 - B4B		
							Packaging 2 - 7 - B4B		
							Packaging 2 - 8 - B4B		
							Packaging 2 - 9 - B4B		
							Packaging 2 - 10 - B4B		
							Packaging 2 - 11 - B4B		
							Packaging 2 - 12 - B4B		
							Packaging 2 - 13 - B4B		
							Packaging 2 - 14 - B4B		
							Packaging 2 - 15 - B4B		
							Packaging 2 - 16 - B4B		
							Packaging 2 - 17 - B4B		
							Packaging 2 - 18 - B4B		
							Packaging 2 - 19 - B4B		
							Packaging 2 - 20 - B4B		
							Packaging 2 - 21 - B4B		
							Packaging 2 - 22 - B4B		
							Packaging 2 - 23 - B4B		
							Packaging 2 - 24 - B4B		
							Packaging 2 - 25 - B4B		
							Packaging 2 - 26 - B4B		
							Packaging 2 - 27 - B4B		
							Packaging 2 - 28 - B4B		
							Packaging 2 - 29 - B4B		
							Packaging 2 - 30 - B4B		
							Packaging 2 - 31 - B4B		
							Packaging 2 - 32 - B4B		
							Packaging 2 - 33 - B4B		

See Attached

**Container No:** S203718**Part:** C2-4-4A**Job No:** 195786-A**Serial No/Batch:** S124626**Revision:** 7**Inspector:****Exp Date:****Instructions:**

Dart Aerospace Ltd.
1270 Aberdeen Street
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CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 08/15/19

150 QC 6				<i>See attached</i>	
				1 pcs	
				7/1/19	
				0.00 0.00	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
				QC 6 - 9	
				QC 6 - 68	
				QC 6 - 61	
				QC 6 - 40	
151 Outsource - 7 - Rework				1 pcs	
				7/1/19	
				0.00 0.00	
152 Rework				1 pcs	
				7/1/19	
				0.00 0.00	
153 Rework				1 pcs	
				7/1/19	
				0.00 0.00	
160 Packaging 3-1 - Stock - B4B				1 pcs	
				7/1/19	
				0.00 0.00	
				Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
170 QC 21 - FG				1 pcs	
				7/1/19	
				0.00 0.00	
				QC 21 - FG - 21	
				QC 21 - FG - 70	
				QC 21 - SA - 53	

DAS
81
9-89

2019-08-09
AUG 15 2019
AUG 15 2019

Dan M

GA191

AUG 19 2019
DAS
70
9-89

Part Op **140** - (Receive & Inspect for Damage & Mat'l Certs)
 Descriptions: **150** - (QC6- All purchased or subcontracted products)
151 - -Issue P/O; _____ -All noncertified parts specifying a finish of Nickel Plating per QQ-N-290, or parts with drawings that are missing a specification Can be Nickel Plated per ASTM B733 Type 4/5, SC0-SC4 or MIL-C-26074 Class 1/2 -Material type; 4140 -Heat treat must be carried out to specified hardness if noted on the drawing. -Plating thickness must be carried out as specified on the drawing. -Certificate of Conformity is required
152 - (Pac2-Receive & Inspect for Damage & Mat'l Certs.)
153 - (QC6- All purchased or subcontracted products)
160 - (Identify as per dwg & Stock Location: _____)
170 - (QC21- Final Inspection - Work Order Release)

Job BOM

Job BOM records could not be found.

Job Allocations

Job Allocations could not be found.

Part Specifications

Specifications could not be found.

Plex 8/12/19 10:24 AM Dart.Guerin.Kimberley



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

C2-4-4A
Job Sheet 195786



Part No: C2-4-4A

Job Qty: 6 pcs

Part Name: Load Beam Assembly - C2 Hook



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 5/30/19

Job Tracking No:

Due Date: 7/1/19

Created By: Jennifer Renwick

Type: Stock

Description:

Note: DWG C2-4-4A / C2-4-4KA Rev. 7 IPP Rev. A 18.09.19 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard Setup Hrs	Run Hrs	Workcenter/Supplier	Sign-off
100	Small Fab - 1	6 pcs	7/1/19		0.00	0.40	Small Fab - 1	
							Small Fab - 2	
							Small Fab - 3	
							Small Fab - 4	
							Small Fab - 5	
							Small Fab - 6	
							Small Fab - 7	
110	QC 5	6 pcs	7/1/19		0.00	0.00	QC 5 - 10	
							QC 5 - 12	
							QC 5 - 17	
							QC 5 - 18	
							QC 5 - 19	
							QC 5 - 22	
							QC 5 - 24	
							QC 5 - 3	
							QC 5 - 43	
							QC 5 - 49	
							QC 5 - 51	
							QC 5 - 58	
							QC 5 - 68	
							QC 5 - 9	
							QC 5 - 50	
							QC 5 - 30	
							QC 5 - 40	
120	QC 2	6 pcs	7/1/19		0.00	0.00	QC 2 - 1	
							QC 2 - 12	
							QC 2 - 14	
							QC 2 - 17	
							QC 2 - 19	
							QC 2 - 2	
							QC 2 - 20	
							QC 2 - 22	
							QC 2 - 23	
							QC 2 - 25	
							QC 2 - 32	
							QC 2 - 33	
							QC 2 - 35	
							QC 2 - 39	
							QC 2 - 4	
							QC 2 - 40	
							QC 2 - 44	
							QC 2 - 45	



Container No: S197824



Part: C2-4-4A

Job No: 195786

Serial No/Batch: S197824

Revision: 7

Inspector:

Exp Date:

Instructions:

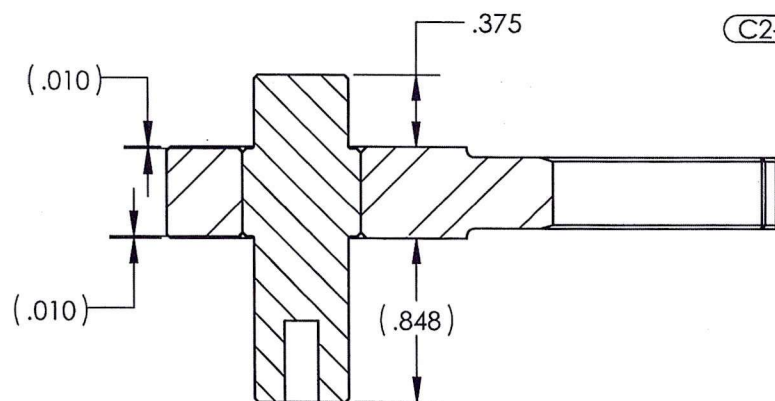
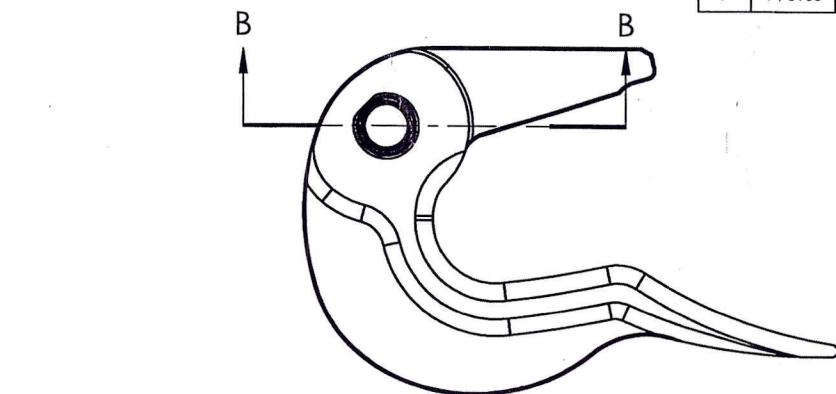
Date: 07/15/19

Dart Aerospace Ltd.
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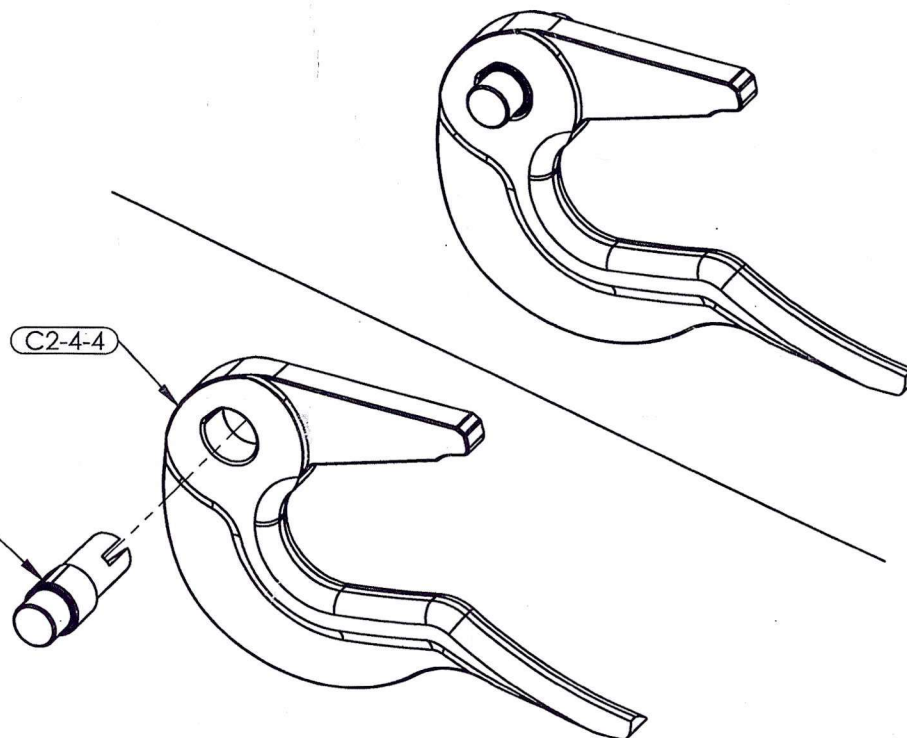
				QC 2 - 48	
				QC 2 - 49	
				QC 2 - 50	
				QC 2 - 51	
				QC 2 - 52	
				QC 2 - 57	
				QC 2 - 62	
				QC 2 - 63	
				QC 2 - 8	
				QC 2 - 66	
				QC 2 - 64	
				QC 2 - 65	
				QC 2 - 5	
				QC 2 - 71	
				QC 2 - 73	
				QC 2 - 69	
130	Outsource - 15 - Nickel Plate	6 pcs	7/1/19	GRO002-VC	5
140	Packaging 2-1 - Receive - B4B	6 pcs	7/1/19	0.00 0.00	2019-07-24
				Packaging 2 - 1 - B4B	
				Packaging 2 - 2 - B4B	
				Packaging 2 - 3 - B4B	
				Packaging 2 - 5 - B4B	
				Packaging 2 - 4 - B4B	
				Packaging 2 - 6 - B4B	
				Packaging 2 - 7 - B4B	
				Packaging 2 - 8 - B4B	
				Packaging 2 - 9 - B4B	
				Packaging 2 - 10 - B4B	
				Packaging 2 - 11 - B4B	
				Packaging 2 - 12 - B4B	
				Packaging 2 - 13 - B4B	
				Packaging 2 - 14 - B4B	
				Packaging 2 - 15 - B4B	
				Packaging 2 - 16 - B4B	
				Packaging 2 - 17 - B4B	
				Packaging 2 - 18 - B4B	
				Packaging 2 - 19 - B4B	
				Packaging 2 - 20 - B4B	
				Packaging 2 - 21 - B4B	
				Packaging 2 - 22 - B4B	
				Packaging 2 - 23 - B4B	
				Packaging 2 - 24 - B4B	
				Packaging 2 - 25 - B4B	
				Packaging 2 - 26 - B4B	
				Packaging 2 - 27 - B4B	
				Packaging 2 - 28 - B4B	
				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
150	QC 6	6 pcs	7/1/19	0.00 0.00	
				QC 6 - 9	
				QC 6 - 68	
				QC 6 - 61	
				QC 6 - 40	
160	Packaging 3-1 - Stock - B4B	6 pcs	7/1/19	0.00 0.00	
				Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
4		AS DRAWN BY CANAM.	8/22/2012	JAG	
5		CHANGED NIKEL PLATE FINISH THICKNESS WAS .001 IS .0009-.0011	1/4/2013	BIM	SE
6		ADDED BAKE NOTE.	12/5/2013	JAG	
7	14-0103	C2-4-4A DELETED LASER ENGRAVE NOTE 	8/8/2014	DPD	RW



SECTION B-B
SCALE 1 : 1



NOTE:

1. NICKEL PLATE .0009 - .0011, BAKE AFTER PLATING.

C2-4-4A

C2 LOAD BEAM ASSY

DART AEROSPACE	
TITLE C2 LOAD BEAM ASSEMBLIES	
DWG NO. C2-4-4A / C2-4-4KA	REV 7
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: CANAM APPROVED: <i>D Weil</i> HEAT TREAT FINISH: SEE NOTE 1 SPEC: USED ON MODEL
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:2	DATE 11/5/2009
SHEET 2 OF 6	



Dart Aerospace Ltd.
1270 Aberdeen St
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K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044112



Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

Attention: Grenon, Sylvie

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044112

PO Date: 7/24/19

Due Date: 8/1/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

E-MAILED
2019-07-25

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	197950	C10-5A	Load Beam Assembly (Outside Processing - Nickel Plate) -Issue P/O to Groupe Altech -Nickel plate, QQ-N-290, Class 2, Grade C -Nickel Plate .0009-.0011 -Bake after plating -Certificate of Conformity is required	Firmed	-	8/1/19	3 pcs	0 pcs	3 pcs	\$66.7928/pcs	\$200.38
2	195786	C2-4-4A	Load Beam Assembly - C2 Hook -Issue P/O; -Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0009-.0011 -Bake after plating -Material type; 4140 -Certificate of Conformity is required	Firmed	-	8/1/19	4 pcs	0 pcs	4 pcs	\$56.6428/pcs	\$226.57
Grand Total:											\$426.95



Certificat de Conformité / Certificate of Compliance



2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.grouppaltech.com

Bon de Livraison / Packing Slip

021044 - 1

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courrier / Acc. No.		Bon de commande Client Customer Purchase Order No.			
31-Jul-2019		Karan Singh			POHB044112			
#Ligne Line#	No. de Série / # Pièce Part Number /Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Quantités / Quantities Qté NC/ NC Qty	Qté Scrap/	À venir / Back Order
1	C10-5A Rev.	C10-5A SCOTCH BRITE BY HAND ON THE 2 SIDES OF THE PIN COVER THE PINS WITH TAPE (THESE PINS SHOULD NOT BE BEADED) LOW PRESSURE GLASS BEAD THE REST OF THE HOOKS E-NIC STEEL 500 [E-NICKEL STEEL 500] QQ-N-290, CLASS 2 GRADE C 0.0009 TO 0.0011 THICKNESS BAKE AFTER PLATING	E-NICKEL-500 CH	3	3	0	0	0
2	C2-4-4A Rev.	C2-4-4A SCOTCH BRITE BY HAND ON THE 2 SIDES OF THE PIN COVER THE PINS WITH TAPE (THESE PINS SHOULD NOT BE BEADED) LOW PRESSURE GLASS BEAD THE REST OF THE HOOKS E-NIC STEEL 500 [E-NICKEL STEEL 500] QQ-N-290, CLASS 2 GRADE E OR F 0.0009 - 0.0011 THICKNESS BAKE AFTER PLATING	E-NICKEL STEEL CH	4	4	0	0	0
3	BAKING CHARGE Rev.	BAKING CHARGE 01 -BAKING, HYDROGEN EMBRITTLEMENT RELIEF	BAKE MIN-CHG	1	1	0	0	0
4	SANDBLAST Rev.	SANDBLAST SANDBLAST	SANDBLAST CH	1	1	0	0	0

RECEIVED
AUG 01 2019
DART AEROSPACE LTD.

RECEIVED
 AUG 01 2019
 DART AEROSPACE LTD.

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.

Entered: _____ Date: _____

NCR No.

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE



Route update only ☐

Job: 195786

Part No. C2-4-4A

DISPOSITION

Rework ☒
Scrap ☐
Use-as-is ☐

DEPARTMENT/PROCESS

Skid-tube ☐
Machining ☐
Large Fab ☐

Cross tube ☐
Small Fab ☐
Finishing ☐

Eng. (Non-AW) ☐
Prod. Eng. Coord. ☐
Rec/Store/Packaging ☐

Engineering ☐
Water Jet ☐
Supplier ☒
Quality ☐

Date: 14/08/06

Sequence #: 130

QTY Affected: 2 of 4

Description Work Order Deviation

Appears to be tape residue on C2-4-2
(frannion) Missing plating.

Disposition

REWORK:
- remove contaminants
- send to supplier for
strip and re-plate.

MRB (QSI042)

[Signature]

Completed By

61
9-89

Lead hand / Supervisor

QC / QA Coordinator

Root Cause

Operator ☒
Manufacturing Process ☐
Equip/Tooling ☐
Handling/Presservation ☐
Material ☐
Product Improvement ☐
Process Improvement ☐
Human Factors ☒

Pressure/Forced ☐
Bending ☐
Crushing ☐
Cracks ☐
Crimp/Kink/Ripple/Wave/Twist ☐
Marks/Chatter ☐
Mislabeled ☐

FAULT CATEGORY

Contamination ☒
Misaligned/off center ☐
BOM/Route ☐
Broken/Damage/Defect ☐
Incomplete/Unclear Instructions ☐
Drill Holes ☐
Fit/Function ☐

Power Loss/Surge ☐
Folio/Program ☐
Grain Direction ☐
Weld ☐
Wrong Stock Pulled ☐
Out of Sequence ☐
Off-set/Set-up ☐

Positioned Wrong ☐
Outside Tolerance ☐
Drawing ☐
Finish ☒
Part Lost/Missing ☐
Misread ☐

Other/Details:



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044242



Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

Attention: Grenon, Sylvie

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044242

PO Date: 8/12/19

Due Date: 8/19/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments: **RE-WORK**

E-MAILED
2019-08-12

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	195786-A	C2-4-4A	Load Beam Assembly - C2 Hook -Issue P/O; -All noncertified parts specifying a finish of Nickel Plating per QQ-N-290, or parts with drawings that are missing a specification Can be Nickel Plated per ASTM B733 Type 4/5, SC0-SC4 or MIL-C-26074 Class 1/2 -Material type; 4140 -Heat treat must be carried out to specified hardness if noted on the drawing. -Plating thickness must be carried out as specified on the drawing. -Certificate of Conformity is required	Firmed	-	8/19/19	1 pcs	0 pcs	1 pcs	\$0.10/pcs	\$0.10

1 x AUG 15 2019

Line Item Note **RE-WORK** due to adhesive still on part

Grand Total: \$0.10



Certificat de Conformité / Certificate of Compliance

(021487-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

021487 - 1

Livré à / Ship to

DART AEROSPACE LTD

1270 ABERDEEN STREET

HAWKESBURY, ON, K6A1K7

CANADA

Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD

1270 ABERDEEN STREET

HAWKESBURY, ON, K6A1K7

CANADA

BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.		Bon de commande Client Customer Purchase Order No.				
13-Aug-2019		Jigar Patel			POHB044242 ✓				
#Ligne Line#	No. de Série / # Pièce Part Number /Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Quantités / Quantities Qté NC/ NC Qty		Qté Scrap/	À venir / Back Order
1	C2-4-A (RE-WORK) ✓ Rev.	C2-4-A (RE-WORK) 01 -E-NIC STEEL 200 [E-NICKEL STEEL 200]	ELECTROLESS N/C	1	1 ✓	0		0	0
RECEIVED AUG 15 2019 DART AEROSPACE LTD. DAS 81 2-89									

DAS
81
0-89

Notes Additionnelles / Additional Notes

1 SMALL BOX

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

JA

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.